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File 155:MEDLINE(R) 1966-2003/Sep W1  
File 5:Biosis Previews(R) 1969-2003/Sep W1  
File 73:EMBASE 1974-2003/Sep W1  
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W1  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
Set Items Description  
S1 49 AU='KOENIG D W' OR AU='KOENIG D.W.' OR AU='KOENIG DAVID W'  
S2 15 AU='KOENIG DW'  
S3 2307 YUCCA  
S4 0 S1:S2 AND S3

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200358  
File 347:JAPIO Oct 1976-2003/May(Updated 030902)  
File 371:French Patents 1961-2002/BOPI 200209  
File 344:Chinese Patents Abs Aug 1985-2003/Mar

Set Items Description  
S1 11 AU='KOENIG D W'  
S2 1 AU='KROLL L M'  
S3 1 S1 AND S2  
S4 176 YUCCA  
S5 0 (S1:S2 AND S4) NOT S3

3/7/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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015032393

WPI Acc No: 2003-092910/200308

**Antimicrobial formulations free of antimicrobial agents and effective against bacteria, fungi, yeasts, molds, protozoa and viruses, comprise a proton donating agent and an alkyl phosphate anionic surfactant, for use in wet wipes**

Patent Assignee: COLE D B (COLE-I); KOENIG D W (KOEN-I); KROLL L M (KROL-I); OTTS D R (OTTS-I); STAHL K D (STAHL-I); KIMBERLY-CLARK WORLDWIDE INC (KIMB )

Inventor: COLE D B; KOENIG D W ; KROLL L M ; OTTS D R; STAHL K D

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200280668	A2	20021017	WO 2002US4380	A	20020212	200308 B
US 20020169149	A1	20021114	US 2001804295	A	20010312	200308
US 6610314	B2	20030826	US 2001804295	A	20010312	200357

Priority Applications (No Type Date): US 2001804295 A 20010312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200280668	A2	E	41	A01N-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020169149 A1 A61K-009/70

US 6610314 B2 A01N-025/34

Abstract (Basic): WO 200280668 A2

NOVELTY - Antimicrobial formulations free of antimicrobial agents and effective against bacteria, fungi, yeasts, molds, protozoa and viruses, comprise a proton donating agent and an alkyl phosphate anionic surfactant.

DETAILED DESCRIPTION - Antimicrobial formulations free of antimicrobial agents and effective against bacteria, fungi, yeasts, molds, protozoa and viruses, comprise a proton donating agent (I) and an alkyl phosphate anionic surfactant of formula  $R_1(OCH_2CH_2)_xOP(O)(OR_3)(OR_2)$  (II).

$R_1$ =optionally unsaturated 8-22C alkyl;

$x=0-20$ ; and

$R_2, R_3=H$ , alkali metal or alkanol amine.

INDEPENDENT CLAIMS are also included for:

- (1) wet wipes comprising a fibrous sheet material and an antimicrobial cleansing solution effective against bacteria; and
- (2) a product comprising the antimicrobial formulation and a substrate.

ACTIVITY - Antibacterial; Fungicide; Virucide; Protozoacide.

An antimicrobial formulation was prepared from anhydrous citric acid (32.8 g), anhydrous malic acid (15.0 g), sodium dodecyl sulfate (5.0 g) and Milli-Q water (500 ml). This composition displayed IC<sub>50</sub> values of 0.25, 0.15 and 1.6 g/l against Staphylococcus aureus, Staphylococcus epidermidis and Escherichia coli, respectively.

MECHANISM OF ACTION - None given.

USE - The compositions are active against numerous bacteria and microorganisms. The formulations may be incorporated into wet wipes or other personal care items such as facial tissues, bathroom tissue and feminine care products. The formulations are effective against numerous bacteria, fungi, yeasts, molds, protozoa and viruses yet is gentle to the skin of the user.

pp; 41 DwgNo 0/4

Derwent Class: A25; A96; C01; D21; D22; E11; F07

International Patent Class (Main): A01N-000/00; A01N-025/34; A61K-009/70

International Patent Class (Additional): A61K-031/66

File 348:EUROPEAN PATENTS 1978-2003/Aug W05

File 349:PCT FULLTEXT 1979-2002/UB=20030904,UT=20030828

Set	Items	Description
S1	31	AU='KOENIG DAVID W' OR AU='KOENIG DAVID WILLIAM'
S2	6	AU='KROLL LISA M'
S3	6	S1 AND S2
S4	3	YUCCA AND S3

3/6/1 (Item 1 from file: 348)  
01622086  
WIPE

3/6/3 (Item 3 from file: 348)  
01518552  
ANTIMICROBIAL FORMULATIONS

3/6/4 (Item 1 from file: 349)  
01025259  
WIPE

3/6/6 (Item 3 from file: 349)  
00947020 \*\*Image available\*\*  
ANTIMICROBIAL FORMULATIONS

3/3,AB/5 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01023767  
ABSORBENT ARTICLE COMPRISING A YUCCA EXTRACT  
ARTICLE ABSORBANT

Patent Applicant/Assignee:

KIMBERLY-CLARK WORLDWIDE INC, 401 N. Lake Street, Neenah, WI 54956, US,  
US (Residence), US (Nationality)

Inventor(s):

KOENIG David W , 1486 Plank Road, Menasha, WI 54952, US,  
KROLL Lisa M , 2600 N. Viola Street, Appleton, WI 54911, US

Legal Representative:

GOFF Christopher M (et al) (agent), SENNIGER, POWERS, LEAVITT & ROEDEL,  
One Metropolitan Square, 16th Floor, St. Louis, MO 63102, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200353486 A1 20030703 (WO 0353486)

Application: WO 2002US34951 20021030 (PCT/WO US0234951)

Priority Application: US 200128752 20011220

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10855

English Abstract

An absorbent article for absorbing body waste. The includes a permeable

liner having a body-facing surface oriented for facing a wearer when the absorbent article is worn and an absorbent-facing surface opposite the body-facing surface, an outer cover, and an absorbent body positioned between the liner and the cover. A Yucca sp. extract is positioned between the body-facing surface of the liner and the outer cover.

4/6/1 (Item 1 from file: 348)  
01621983  
ABSORBENT ARTICLE COMPRISING A YUCCA EXTRACT

4/3,AB/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.  
01025259  
WIPE  
CHIFFON

Patent Applicant/Assignee:  
KIMBERLY-CLARK WORLDWIDE INC, 401 N. Lake Street, Neenah, WI 54956, US,  
US (Residence), US (Nationality)

Inventor(s):  
KOENIG David W , 1486 Plank Road, Menasha, WI 54952, US,  
KROLL Lisa M , 2600 N. Viola Street, Appleton, WI 54911, US

Legal Representative:  
GOFF Christopher M (agent), Senniger, Powers, Leavitt & Roedel, One  
Metropolitan Square, 16th Floor, St. Louis, MO 63102 (et al), US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200353371 A1 20030703 (WO 0353371)  
Application: WO 2002US34952 20021030 (PCT/WO US0234952)  
Priority Application: US 200129404 20011220

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3661

English Abstract

A method of inhibiting production of ammonia from urine held adjacent a user's skin by an article. The method includes applying a composition including a Yucca sp. extract to an area of the wearer's skin. A wipe for wiping surfaces including a flexible sheet and a composition held by the sheet including a Yucca sp. extract.

File 155:MEDLINE(R) 1966-2003/Sep W1  
 File 5:Biosis Previews(R) 1969-2003/Sep W1  
 File 73:EMBASE 1974-2003/Sep W1  
 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W1  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 File 144:Pascal 1973-2003/Aug W5  
 File 6:NTIS 1964-2003/Sep W1  
 File 8:Ei Compendex(R) 1970-2003/Aug W5  
 File 94:JICST-EPlus 1985-2003/Sep W1  
 File 95:TEME-Technology & Management 1989-2003/Aug W4  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jul  
 File 65:Inside Conferences 1993-2003/Sep W1  
 File 35:Dissertation Abs Online 1861-2003/Aug

Set	Items	Description
S1	7637	YUCCA
S2	224416	AMMONIA
S3	351711	WIPE OR WIPES OR SHEET? ?
S4	735	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	4250947	FABRIC OR PAPER
S6	80491	PAD? ?
S7	7225763	INHIBIT? OR PREVENT?
S8	125970	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	1623105	BLOCK?? OR BLOCKING
S10	1829999	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	642215	URINE
S12	855	S1 AND S3:S6
S13	47	S1 AND S3
S14	0	S1 AND S4
S15	13	S1 AND S6
S16	60	S13 OR S15
S17	36	S16/TI
S18	60	S16
S19	52	RD (unique items)
S20	7	S19/2002:2003
<b>S21</b>	<b>4</b>	<b>S19/2001</b>
S22	41	S19 NOT S20:S21
<b>S23</b>	<b>41</b>	<b>Sort S22/ALL/PY,D</b>
S24	18	S1(S)S10
S25	14	RD (unique items)
S26	1	S25/2002:2003
S27	1	S25/2001
S28	12	S25 NOT S26:S27
<b>S29</b>	<b>12</b>	<b>Sort S28/ALL/PY,D</b>

21/7/4 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management  
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 01525797 20010702366

**Rohstoffe aus dem Fuellhorn der Natur. Bio-Verbundwerkstoffe fuer den oekologischen Leichtbau**

Beier, E

Technica, Rapperswil, v50, n12, pp44-48, 2001

Document type: journal article Language: German

Record type: Abstract

ISSN: 0040-0866

ABSTRACT:

Auch bei den Faserverbundwerkstoffen mit ihren hervorragenden technischen Eigenschaften sucht man zur Verringerung des Ressourcenbedarfs und des Entsorgungsproblems nach Alternativen zu Kunststoffen. Sowohl beim Fasermaterial als auch beim Fuellstoff bieten sich verschiedene nachwachsende Rohstoffe an, deren mechanische Eigenschaften durchaus mit denen der Petrochemie mithalten koennen. Als Fasermaterial bieten sich Bastfasern wie Flachs, Hanf, Jute oder Ramie, Blaetterfasern aus Manila, Sisal oder **Yucca** sowie Fruchtfasern wie Baumwolle, Kapok oder Kokos an, als Fuellmaterial so genannte biopolymere Matrices wie beispielsweise Cellulose oder Staerke. Die Auswahl erfolgt nach den mechanischen Eigenschaften, der Verfuegbarkeit, der Aufwendigkeit und dem Grad der Umweltbelastung bei der Verarbeitung. Die meisten Biofasern sind Hohlfasern, was sie sehr biege- und torsionssteif macht, aber bei Zugbelastung zur Schwaechung fuehrt. Da die Biopolymere durch ihren vollstaendigen, kohlendioxidneutralen biologischen Abbau bestechen, haben sie den Nachteil relativ geringer Umweltbestaendigkeit, weshalb sie als Blends verarbeitet werden oder chemisch nachbearbeitet werden muessen. Je nach Belastungsanforderung werden die Matrices bestimmt, gerichtete oder ungerichtete Fasern werden in massgeschneiderten Profilen und Strukturen geformt. Dabei entscheidet die Haftung zwischen Faser und Matrix ueber die Qualitaet des Verbundes. Sie ist bei den Bio-Verbundstoffen die Schwachstelle, besonders hinsichtlich der Scherfestigkeit. Zudem nehmen Biopolymere vermehrt Feuchtigkeit auf, was ebenfalls mit geringerer Steifigkeit und Festigkeit einhergeht. Kein Problem sind die Fertigungstechnologien, sie unterscheiden sich nur unerheblich von denen konventioneller Faserkunststoffe. Anwendungsmoeglichkeiten finden sich ueberall dort, wo leichte, umweltvertraegliche Stoffe mit geringer Splitterneigung und hoher Energieabsorption benoetigt werden.

29/6/2 (Item 2 from file: 155)

08401776 95089756 PMID: 7997217

[Contact allergic dermatitis caused by plants]

Kontaktni alergijski dermatitis izazvan biljkama.

1993

29/6/12 (Item 12 from file: 6)

0868378 NTIS Accession Number: AD-460 271/0/XAB

Beta-gamma Skin Hazard in the Postshot Contaminated Area

Dec 53

File 98:General Sci Abs/Full-Text 1984-2003/Jul  
File 9:Business & Industry(R) Jul/1994-2003/Sep 10  
File 16:Gale Group PROMT(R) 1990-2003/Sep 10  
File 160:Gale Group PROMT(R) 1972-1989  
File 148:Gale Group Trade & Industry DB 1976-2003/Sep 11  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Sep 11  
File 149:TGG Health&Wellness DB(SM) 1976-2003/Aug W4  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Sep 10  
File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Sep W1  
File 20:Dialog Global Reporter 1997-2003/Sep 11

Set	Items	Description
S1	6255	YUCCA
S2	57089	AMMONIA
S3	1435989	WIPE OR WIPES OR SHEET? ?
S4	9290	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	1984378	FABRIC OR PAPER
S6	186331	PAD? ?
S7	2481767	INHIBIT? OR PREVENT?
S8	396377	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	1474730	BLOCK?? OR BLOCKING
S10	480155	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	64620	URINE
S12	15	S1(S)S3
S13	3	S1(S)S4
S14	11	S1(S)S6
S15	29	S12:S14
S16	24	RD (unique items)
S17	1	S16/2002
S18	2	S16/2003
S19	4	S16/2001 [not relevant]
S20	17	S16 NOT S17:S19
S21	17	Sort S20/ALL/PD,D
S22	1	S1 AND S2 AND S10 AND S11 [not relevant]

21/8/9 (Item 9 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.  
03986208 Supplier Number: 45787087 (USE FORMAT 7 FOR FULLTEXT)  
**Scott Paper Co. opens production facility in Arizona.**  
Sept 14, 1995

Word Count: 346

PUBLISHER NAME: Business Wire

COMPANY NAMES: \*Scott Paper Co.

EVENT NAMES: \*440 (Facilities & equipment)

GEOGRAPHIC NAMES: \*1U8AZ (Arizona)

PRODUCT NAMES: \*2647200 (Tissue Products)

INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

NAICS CODES: 322291 (Sanitary Paper Product Manufacturing)

SPECIAL FEATURES: COMPANY

21/3,AB,K/7 (Item 7 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2003 Resp. DB Svcs. All rts. reserv.

1417500 Supplier Number: 01417500

**Sunaturals Facial Cleansing Pads; Teen Skin Cleansing Pads**

**(Hobe Laboratories introduces new line of personal care products)**

Product Alert, v 26, n 4, p N/A

February 26, 1996  
DOCUMENT TYPE: Journal ISSN: 0740-3801 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 151

TEXT:

...Each product contains the company's own herbal complex which is made of jojoba, saponaria, **yucca**, rosemary, chamomile, comfrey, juniper, horsetail and arnica. This complex combined with other natural ingredients is...

...provide an outstanding choice of personal care products. Included within the line are Facial Cleansing **Pads**. According to trade sources, this product gently removes impurities and makeup to effectively clean facial pores without drying. The alcohol-free **pads** are designed for blemish prone skin. Another product offered under the Sunaturals brand name is Teen Skin Cleansing **Pads**. The non-alcohol **pads** were designed for blemish-prone and oily skin. They are said to be pre-soaked...

File 155:MEDLINE(R) 1966-2003/Sep W1  
 File 5:Biosis Previews(R) 1969-2003/Sep W1  
 File 73:EMBASE 1974-2003/Sep W1  
 File 34:SciSearch(R) Cited Ref Sci 1990-2003/Sep W1  
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 File 144:Pascal 1973-2003/Aug W5  
 File 6:NTIS 1964-2003/Sep W1  
 File 8:Ei Compendex(R) 1970-2003/Aug W5  
 File 94:JICST-EPlus 1985-2003/Sep W1  
 File 95:TEME-Technology & Management 1989-2003/Aug W4  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jul  
 File 35:Dissertation Abs Online 1861-2003/Aug  
 File 65:Inside Conferences 1993-2003/Sep W1

Set	Items	Description
S1	7637	YUCCA
S2	224416	AMMONIA
S3	351711	WIPE OR WIPES OR SHEET? ?
S4	735	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	4250947	FABRIC OR PAPER
S6	80491	PAD? ?
S7	7225763	INHIBIT? OR PREVENT?
S8	125970	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	1623105	BLOCK?? OR BLOCKING
S10	1829999	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	642215	URINE
S12	26	S7(3W)S2(S)S11
S13	0	S8(3W)S2(S)S11
S14	1	S9(3W)S2(S)S11
S15	27	S12 OR S14
S16	0	S1 AND S15
S17	5	S1 AND S2 AND S11
S18	2	RD (unique items)

File 98:General Sci Abs/Full-Text 1984-2003/Jul  
 File 9:Business & Industry(R) Jul/1994-2003/Sep 10  
 File 149:TGG Health&Wellness DB(SM) 1976-2003/Aug W4  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Sep 10  
 File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Sep W1  
 File 20:Dialog Global Reporter 1997-2003/Sep 11  
 File 16:Gale Group PROMT(R) 1990-2003/Sep 10  
 File 160:Gale Group PROMT(R) 1972-1989  
 File 148:Gale Group Trade & Industry DB 1976-2003/Sep 11  
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Sep 11

Set	Items	Description
S1	6255	YUCCA
S2	57089	AMMONIA
S3	1435989	WIPE OR WIPES OR SHEET? ?
S4	9290	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	1984378	FABRIC OR PAPER
S6	186331	PAD? ?
S7	2481756	INHIBIT? OR PREVENT?
S8	396377	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	1474728	BLOCK?? OR BLOCKING
S10	480151	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	64617	URINE

S12	10	S1 AND S2 AND S11
S13	7	RD (unique items)
S14	0	S13/2002:2003
S15	3419653	S3:S6
S16	1	S13 AND S15 [not relevant]
S17	1	S13 AND S10 [duplicate of s16]
S18	1	S16:S17 [duplicate of s16]

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200358

File 347:JAPIO Oct 1976-2003/May(Updated 030902)

File 371:French Patents 1961-2002/BOPI 200209

File 344:Chinese Patents Abs Aug 1985-2003/Mar

Set	Items	Description
S1	176	YUCCA
S2	70093	AMMONIA
S3	839748	WIPE OR WIPEES OR SHEET? ?
S4	1051	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	628812	FABRIC OR PAPER
S6	172778	PAD? ?
S7	2671186	INHIBIT? OR PREVENT?
S8	18859	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	982175	BLOCK?? OR BLOCKING
S10	162453	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	21251	URINE
<b>S12</b>	<b>2</b>	<b>S1(S)S3 [not relevant]</b>
S13	0	S1(S)S4
S14	0	S1(S)S6
S15	4	S1(S)S5
<b>S16</b>	<b>2</b>	<b>S15 NOT S12</b>
S17	0	S1 AND S2 AND S7 AND S8

**16/7,K/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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015190441

WPI Acc No: 2003-250975/200325

**Method of providing antibacterial activity to fiber used for fiber products such as thread and weaving cloth, involves processing fiber using yucca extract**

Patent Assignee: NAGASE KASEI KOGYO KK (NAGA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002285472	A	20021003	JP 200194412	A	20010328	200325 B

Priority Applications (No Type Date): JP 200194412 A 20010328

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002285472	A		5	D06M-015/03	

Abstract (Basic): JP 2002285472 A

NOVELTY - The fiber is processed using a yucca extract.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for composition containing yucca extract for antibacterial processing of fiber.

USE - For providing antibacterial activity to fiber used for fiber products such as thread, weaving cloth, matting and curtain.

ADVANTAGE - A strong antibacterial activity with respect to bacteria such as Staphylococcus aureus, Escherichia coli, Bacillus subtilis, Pseudomonas aeruginosa is provided to the fiber by processing the fiber using yucca extract. Since the yucca extract contains natural component, the yucca extract is safe to be used.

pp; 5 DwgNo 0/0

Derwent Class: F06

International Patent Class (Main): D06M-015/03

International Patent Class (Additional): A01N-025/34; A01N-065/00;

D06B-001/02; D06M-013/10; D06M-013/152; D06M-101-02

Technology Focus:

... TEXTILES AND **PAPER** - ...

...natural fiber and is processed by immersing the fiber in aqueous or alcohol solution of **yucca** extract or spraying aqueous or alcohol solution of **yucca** extract on the fiber.

Extension Abstract:

... Root and stalk of **Yucca** schidigera were made into chips, dried and ground to obtain a raw material. Raw material...

...distilled, and a concentrated liquid (160) was obtained. The concentrated liquid was spray dried and **yucca** extract powder (23) was obtained. The powder contained saponin (50-60 wt.%), sugar (20-40 wt.%), flavone (10-20 wt.%) and resveratrol (0.01-0.5 wt.%). The **yucca** extract powder was diluted with water, and a cotton **fabric** was immersed in the obtained solution at 25degreesC for 1 minute and dried at 25degreesC for 1 hour. The **fabric** was then tested for antibacterial activity with respect to bacteria Staphylococcus aureus, and was found...

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200358

File 347:JAPIO Oct 1976-2003/May(Updated 030902)

File 371:French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	176	YUCCA
S2	68860	AMMONIA
S3	836295	WIPE OR WIPES OR SHEET? ?
S4	1042	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	623611	FABRIC OR PAPER
S6	171851	PAD? ?
S7	2659637	INHIBIT? OR PREVENT?
S8	18833	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	977731	BLOCK?? OR BLOCKING
S10	159818	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	20972	URINE
S12	0	S1 AND S2 AND S11

File 348:EUROPEAN PATENTS 1978-2003/Aug W05

File 349:PCT FULLTEXT 1979-2002/UB=20030904,UT=20030828

Set	Items	Description
S1	214	YUCCA
S2	55938	AMMONIA
S3	323810	WIPE OR WIPES OR SHEET? ?
S4	1450	(BATHROOM OR TOILET OR FACIAL) ()TISSUE? ?
S5	218475	FABRIC OR PAPER
S6	93917	PAD? ?
S7	731459	INHIBIT? OR PREVENT?
S8	60625	AVERT??? OR AVERSION OR DETER? ? OR DETERR???? OR PRECLUD???
S9	505857	BLOCK?? OR BLOCKING
S10	115422	SKIN OR EPIDERM? OR DERMIS OR DERMAL
S11	26966	URINE
S12	7	S1 AND S2 AND S11
S13	20	S1(S)S3:S6
S14	18	S13 NOT S12

12/6/6 (Item 4 from file: 349)

00329060

ODOR INHIBITING PET LITTER

12/3,AB,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00902845

Absorbents containing activated carbons

Absorber mit Aktivkohle

Absorbants contenant du charbon actif

PATENT ASSIGNEE:

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AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 823206 A1 980211 (Basic)  
APPLICATION (CC, No, Date): EP 97850070 970429;  
PRIORITY (CC, No, Date): US 693032 960806  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE  
INTERNATIONAL PATENT CLASS: A01K-001/015  
ABSTRACT EP 823206 A1

The instant invention generally relates to absorbents containing effective odor absorbing amounts of activated carbon. The activated carbon-containing absorbents may also be formed in conjunction with a wide variety of adsorbent materials including bentonite, opaline silica and the like and are suitable for use as absorbents in a wide variety of absorbent application and are particularly well suited for use as animal litters. Such absorbent may also contain fluoropolymer dedusting agents and bactericides to form unique absorbent compositions with diverse properties and uses.

ABSTRACT WORD COUNT: 84

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	9807	1133
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SPEC A	(English)	9807	4469
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Total word count - document A	5602
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Total word count - document B	0
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Total word count - documents A + B	5602
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...SPECIFICATION for use as animal litters owing to their ability to absorb odors associated with animal **urine** and feces.

BACKGROUND OF THE INVENTION AND PRIOR ART DISCLOSURE

The absorbents of this invention...

...763 discloses the use of anhydrous sodium sulfate in an animal litter to bind animal **urine**. In one embodiment the litter can also optionally contain approximately 2% by weight, based upon...

...the odor producing substances which form part of, or are generated by, the feces and **urine** materials found in the litter." Based upon examples 1 and 2, the amount of activated...

...litter from a litter box and the associated removal of odor causing fecal matter and **urine** with the removed clumps of used litter. Although waste products are removed, the odors associated...

...to absorb and(back slash)or mask odors. These patents alternatively seek to react with **ammonia** and/or urea or serve as a masking agent for odors; e.g., fragrances.

The...a bentonite control absorbent, three activated carbon-containing absorbents according to this invention and a **Yucca extract-containing absorbent**.

SUMMARY OF THE INVENTION

The instant invention is directed to improved activated...box and as a feline litter so as to cohesively agglomerate when wetted by feline **urine** or when in contact with moist fecal matter (such having surface moisture or liquid) to...

...during use and do not offer sufficient void space between litter particles to permit animal **urine** to penetrate sufficiently deep into the bed of litter to form the clump. Further, litter...

...odor absorbency without adversely affecting the clumping of the bentonite when used to absorb feline **urine** and fecal matter. Further,

such absorbents are useful for absorbing other odor generating waste liquids...boxes.

2. Each litter box was inoculated with a preselected amount of a test animal **urine** and feces mixture on each weekday (except Wednesdays) in the afternoon at the same time until the odor test was completed. The clumps after each addition of the **urine** /feces mixture were covered by litter in the litter box. The clumps in each litter...

...day until the test is completed with the litter box being scooped before adding fresh **urine** /feces for the day.

EXAMPLE 1:

Four test litters were prepared to evaluate the odor...

...nitro groups are carried on the same carbon; and 4) 1 wt. % of a natural **Yucca** extract.

The four (4) litters were tested in a paired comparison odor evaluation test as...

...forth in Table 2.

Table 2 shows that the bentonite only and bentonite(back slash) **Yucca** extract litters were deemed by the judges to have the greater malodor. All three samples...

...CLAIMS are carried on the same carbon.

10. An animal litter having liquid absorbency for animal **urine** and containing an effective odor controlling amount of activated carbon, an adsorbent material for animal...

12/3,AB,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00414739

ABSORBENTS CONTAINING ACTIVATED CARBONS

AGENTS ABSORBANTS CONTENANT DES CHARBONS ACTIFS

Patent Applicant/Assignee:

FIRST BRANDS CORPORATION,

Inventor(s):

MAXWELL Jason R,

MAC PHERSON Jack A,

DORSEY Robert T,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9805200 A1 19980212

Application: WO 97US13382 19970805 (PCT/WO US9713382)

Priority Application: US 96693032 19960806

Designated States: AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI

GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW NO

NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW SD SZ

UG ZW AM AZ BY KG KZ MD RU TJ TM BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 6456

English Abstract

The instant invention generally relates to absorbents containing effective odor absorbing amounts of activated carbon. The activated carbon-containing absorbents may also be formed in conjunction with a wide variety of adsorbent materials including bentonite, opaline silica and the like and are suitable for use as absorbents in a wide variety of absorbent application and are particularly well suited for use as animal litters. Such absorbent may also contain fluoropolymer dedusting agents and bactericides to form unique absorbent compositions with diverse properties and uses.

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... for use as animal litters owing to their ability to absorb odors associated with animal **urine** and feces.

BACKGROUND OF THE INVENTION AND PRIOR ART DISCLOSURE

The absorbents of this invention...763 discloses the use of anhydrous sodium sulfate in an animal litter to bind animal **urine**. In one embodiment the litter can also optionally contain approximately 2W by weight, based upon...

...the odor producing substances which form part of, or are generated by, the feces and **urine** materials found in the litter." Based upon examples 1 and 2, the amount of activated...

...litter from a litter box and the associated removal of odor causing fecal matter and **urine** with the removed clumps of used litter. Although waste products are removed, the odors associated These patents alternatively seek to react with **ammonia** and/or urea or serve as a masking agent for odors; e.g., fragrances.

The...a bentonite control absorbent, three activated carbon-containing absorbents according to this invention and a **Yucca** extract-containing absorbent.

SUMMARY OF THE INVENTION

The instant invention is directed to improved activated...box and as a feline litter so as to cohesively agglomerate when wetted by feline **urine** or when in contact with moist fecal matter (such having surface moisture or liquid) to...  
...during use and do not offer sufficient void space between litter particles to permit animal **urine** to penetrate sufficiently deep into the bed of litter to form the clump. Further, litter...odor absorbency without adversely affecting the clumping of the bentonite when used to absorb feline **urine** and fecal matter. Further, such absorbents are useful for absorbing other odor generating waste liquids inoculated with a preselected amount of a test animal **urine** and feces mixture on each weekday (except Wednesdays) in the afternoon at the same time until the odor test was completed. The clumps after each addition of the **urine** /feces mixture were covered by litter in the litter box. The clumps in each litter...

...day until the test is completed with the litter box being scooped before adding fresh **urine** /feces for the day.

EXAMPLE 1.

Four test litters were prepared to evaluate the odor...groups are carried on the same carbon; and 4) 1 wt-% of a natural **Yucca** extract.

The four (4) litters were tested in a paired comparison odor evaluation test as...

...are set forth in Table 2.

Table 2 shows that the bentonite only and bentonite **Yucca** extract litters were deemed by the judges to have the greater malodor. All three samples...

...1% CARBON

PTFE 150

10/0 Ppm

1% CARBON CARBON BACTERICI

BENTONITE PTFE DE 1% **YUCCA**

DAY CONTROL

37 27\* 21 27\* 38

34 28\* 22\* 26\* 40  
36 24\* 25...

14/6/11 (Item 8 from file: 349)  
00541408  
**ANTI-MOLLUSC COMPOSITIONS**

14/3,AB,K/7 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00873412

**EXTRACTS FROM CRASSULACEAN ACID METABOLISM (CAM) MECHANISM PLANTS AND USES THEREOF**

**EXTRAITS DE PLANTES A PHOTOSYNTHESE DE TYPE "CAM" ET LEURS UTILISATIONS**

Patent Applicant/Inventor:

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(Nationality)

Legal Representative:

KANE Himanshu W (et al) (agent), W. S. Kane & Co., Servents' of India  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200205830 A2-A3 20020124 (WO 0205830)  
Application: WO 2001IN132 20010704 (PCT/WO IN0100132)  
Priority Application: IN 2000653 20000714; IN 2000654 20000714

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 28053

English Abstract

Novel oil extracts from Crassulaceae Acid Metabolism (CAM) plants useful  
in human, veterinary and agricultural applications are described. Methods  
of preparation of these extracts in oil and methods of application and  
administration are also described.

Fulltext Availability: Detailed Description

Detailed Description

... are given in Table 5.

Table 5 Examples of CAM plants

Family Genera

Agavaceae Agave, Yucca

Aptenia, Bergeranthus, Carpobrotus,...


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... mixture containing 6.3 milligrams of **yucca** extract solids per milliliter of **urine**

demonstrated substantially no reduction in gas phase **ammonia** from the ...  
[appft1.uspto.gov/netacgi/nph-Parser?](http://appft1.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-...)

[Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-...](#)

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**STUDIO** ...

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 yours youth **yucca**

zebra zeros ... ambrose amended amenity amiable ammeter **ammonia**  
 amnesty amoebae ...

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 amnesia amnesty ...

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